

REPORT ON WATER TUBE BOILERS.

No. 8492

6 - AUG 1947

Received at London Office

Report 3rd July 1947 When handed in at Local Office 11 July 1947 Port of Baltimore, Maryland
 Survey held at Baltimore, Maryland Date, First Survey March 26th, Last Survey April 22nd, 1947
 on the S.S. "NIKOBAR" (ex "Rushville Victory") (Number of Visits 6) {Gross 7604
 Tons {Net 4549
 Baltimore, Maryland By whom built Bethlehem Fairfield Shipyard, Inc. When built 1945
 at Pittsburgh, Pa. By whom made Westinghouse Electric & Mfg. Company When made 1945
 at New York By whom made Combustion Engineering Company, Inc. When made 1945
 Power Owners A/S Det Ostasiatiske Kompagni Port belonging to Copenhagen

TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel. Worth & U.S.A. S.P. Beth. Steel Companies

Number and Description or Type
 Two (2) B & W W.T. Boilers Working Pressure 525 lbs. Tested by Hydraulic Pressure to 788 lbs. Date of Test 3-23-45
 Can each boiler be worked separately Yes Total Heating Surface of Boilers 4308 square feet
 Area of fire grate (coal) in each Boiler -
 of burners (oil) in each boiler Three (3) B & W Decogen C.D.D.F. No. and description of safety valves on

One 2" high lift duplex type Area of each set of valves per boiler {per rule 9.9"
 as fitted 6.283" Pressure to which they
 525 lbs. sq. inch Are they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter

Smallest distance between boilers or uptakes and bunkers or woodwork - Height of boiler 21' 3"
 Length 11' 0" x 14' 6" Steam Drums: Number in each boiler One Inside diameter 42 1/2"

Tube sheet 1 1/16" Wrapper plate Range of Tensile Strength 70,000 lbs. Are drum shell plates welded
 Welded If fusion welded, state name of welding firm Combustion Engineering Company Have all the requirements of the rules

vessels been complied with Built under A.B.S. & U.S.C.G. Description of riveting:—Cir. seams - long. seams -
 rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of

Plate - Rivet - Diameter of tube holes in drum 4 1/64" Pitch of tube holes 7"
 length of shell in way of tubes 42.5% Steam Drum Heads or Ends:—Range of tensile strength 70,000 lbs.

plates 13/16" Radius or how stayed 38" Size of manhole or handhole 12" x 16" Water Drums:—Number
 None Inside Diameter - Thickness of plates - Range of tensile strength - Are drum shell plates

Have all the requirements of the rules
 vessels been complied with - Description of riveting:—Cir. seams - long. seam -
 rivet holes in long. seams - Pitch of rivets - Thickness of straps -

length of long. joint:—Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes -
 length of drum shell in way of tubes - Water Drum Heads or Ends:—Range of Tensile strength -

plates - Radius or how stayed - Size of manhole or handhole -
 Sections:—Number 12 Material Steel Thickness - Tested by Hydraulic Pressure to 788 lbs.

diameter 2" and 1 1/4" Thickness .134" and .095" Number 48 and 980 Steam Dome or Collector:—Description of
 Inside diameter - Thickness of shell plates - Range of tensile

Description of longitudinal joint - If fusion welded, state name of welding
 Have all the requirements of the rules for Class I vessels been complied with - Diameter of rivet holes -

Thickness of straps - Percentage strength of long. joint - Plate - Rivet -
 End Plates:—Range of tensile strength - Thickness - Radius or how stayed -

HEATER. Drums or Headers:—Number in each boiler Two Inside Diameter 5" square
 1" Material Steel Range of tensile strength 70,000 lbs. Are drum shell plates welded

Forged If fusion welded, state name of welding firm - Have all the requirements of the rules
 vessels been complied with A.B.S. & U.S.C.G. Description of riveting:—Cir. seams - long. seams -

rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of
 Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes - Percentage strength of

way of tubes - Drum Heads or Ends:—Thickness - Range of tensile strength -
 stayed - Size of manhole or handhole - Number, diameter, and thickness of tubes -

Tested by Hydraulic Pressure to 788 lbs. Date of Test 3-23-45 Is a safety valve fitted to each section of the superheater which
 off from the boiler Yes No. and description of Safety Valves One 1 1/2" high lift, Spring Covered Area of each set

1.767 square inches Pressure to which they are adjusted 465 lbs. Is easing gear fitted Yes
 473 lbs.

ear. Has the spare gear required by the rules been supplied Yes
 H.S. parts = 4308 Total for 2 bhs. = 11352
 spb = 733 for R. Bank See Bal. L. 9/11/47
 Eon. = 1270

The foregoing is a correct description,

Manufacturer.

During progress of work in shops - Is the approved plan of boiler forwarded herewith
 During erection on board vessel - Total No. of visits

a duplicate of a previous case Yes If so, state vessel's name and report No. S.S. "SERAMPOR"

REMARKS (State quality of workmanship, opinions as to class, &c.) The B & W Boilers described above have, together
 mountings, been opened up, examined throughout, and placed in good order and again examined under steam and the
 valves adjusted. It is the opinion of the undersigned that the workmanship is good, the boilers well installed,
 able to be classed with the Society with record of BS 4-47, Classification Contemplated.

Fee £200:00 When applied for 11 July 1947
 Expenses (if any) 3:50 When received, 19

NEW YORK JUL 16 1947

Engineer Surveyor to Lloyd's Register of Shipping

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002653-001658-0224